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1

SEQUENCE LISTING

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<120> THERAPEUTIC TREATMENT AND PREVENTION OF INFECTIONS WITH  
A BIOACTIVE MATERIALS ENCAPSULATED WITHIN A  
BIODEGRADABLE-BIOCOMPATIBLE POLYMERIC MATRIX

<130> Army 145

<140> 09/618,577

<141> 2000-07-18

<150> 08/590,973

<151> 1996-01-24

<150> 08/446,149

<151> 1995-05-22

<150> 08/446,148

<151> 1995-05-22

<150> 08/867,301

<151> 1992-04-10

<150> 06/590,308

<151> 1984-03-16

<160> 44

<170> PatentIn Ver. 2.1

<210> 1

<211> 24

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic  
peptide

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 1 5 10 15

Lys His His Ser His Arg Gly Tyr  
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&lt;210&gt; 2

&lt;211&gt; 21

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

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&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 2

Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu Lys His His Ser  
 1 5 10 15

His Arg Gly Tyr Arg  
 20

&lt;210&gt; 3

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

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&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

&lt;400&gt; 3

Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu Lys His His Ser  
 1 5 10 15

His Arg

&lt;210&gt; 4

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

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&lt;223&gt; Description of Artificial Sequence: Synthetic peptide

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Asn Ile Thr Val Thr Ala Ser Val Asp Pro  
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Thr Ala Ser Val Asp Pro Val Ile Asp Leu  
1 5 10

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Asp Pro Val Ile Asp Leu Leu Gln Ala Asp  
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Ile Asp Leu Leu Gln Ala Asp Gly Asn Ala  
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Ala Asp Gly Asn Ala Leu Pro Ser Ala Val  
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Pro Ser Ala Val Lys Leu Ala Tyr Ser Pro  
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Leu Asn Ser Thr Val Gln Met Pro Ile Ser  
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<400> 18  
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1 5

<210> 24

<211> 9

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Pro Gln Leu Thr Asp Val Leu Asn Ser  
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<211> 8

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Ala Lys Glu Phe Glu Ala Ala Ala  
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<210> 26

<211> 8

<212> PRT

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 26

Lys Thr Ala Gly Thr Ala Pro Thr  
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<210> 27  
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<210> 28  
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<210> 31  
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<210> 32  
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<210> 33  
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<210> 35

<211> 9

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Val Asp Pro Val Ile Asp Leu Leu Gln  
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<210> 36

<211> 5

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<400> 36

Gly Pro Ala Pro Thr  
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<210> 37

<211> 8

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peptide

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Pro Gln Leu Thr Asp Val Leu Asn  
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<210> 38

<211> 10

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<223> Description of Artificial Sequence: Synthetic peptide

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Phe Glu Ser Tyr Arg Val Met Thr Gln Val  
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<210> 39

<211> 10

<212> PRT

<213> Artificial Sequence

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<400> 39

Asn Tyr Ser Gly Val Val Ser Leu Val Met  
1 5 10

<210> 40

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 40

Leu Ala Asp Thr Pro Gln Leu Thr Asp Val Leu Asn Ser Thr Val Gln  
1 5 10 15

Met Pro

<210> 41

<211> 19

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic peptide

<400> 41

Ser Tyr Arg Val Met Thr Gln Val His Thr Asn Asp Ala Thr Lys Lys  
1 5 10 15

Val Ile Val

<210> 42  
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 <212> PRT  
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                   20                  25                  30  
 Tyr Ser Pro Ala Ser Lys Thr Phe Glu Ser Tyr Arg Val Met Thr Gln  
           35                  40                  45  
 Val His Thr Asn Asp Ala Thr Lys Lys Val Ile Val Lys Leu Ala Asp  
       50                  55                  60  
 Thr Pro Gln Leu Thr Asp Val Leu Asn Ser Thr Val Gln Met Pro Ile  
   65                  70                  75                  80  
 Ser Val Ser Trp Gly Gly Gln Val Leu Ser Thr Thr Ala Lys Glu Phe  
                   85                  90                  95  
 Glu Ala Ala Ala Leu Gly Tyr Ser Ala Ser Gly Val Asn Gly Val Ser  
           100                  105                  110  
 Ser Ser Gln Glu Leu Val Ile Ser Ala Ala Pro Lys Thr Ala Gly Thr  
       115                  120                  125  
 Ala Pro Thr Ala Gly Asn Tyr Ser Gly Val Val Ser Leu Val Met Thr  
   130                  135                  140  
 Leu Gly Ser  
 145

<210> 43  
 <211> 147  
 <212> PRT  
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<400> 43  
 Val Glu Lys Asn Ile Thr Val Thr Ala Ser Val Asp Pro Val Ile Asp  
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 Leu Leu Gln Ala Asp Gly Asn Ala Leu Pro Ser Ala Val Lys Leu Ala  
           20                  25                  30

Tyr	Ser	Pro	Ala	Ser	Lys	Thr	Phe	Glu	Ser	Tyr	Arg	Val	Met	Thr	Gln
		35				40						45			
Val	His	Thr	Asn	Asp	Ala	Thr	Lys	Lys	Val	Ile	Val	Lys	Leu	Ala	Asp
50						55				60					
Thr	Pro	Gln	Leu	Thr	Asp	Val	Leu	Asn	Ser	Thr	Val	Gln	Met	Pro	Ile
65					70				75						80
Ser	Val	Ser	Trp	Gly	Gly	Gln	Val	Leu	Ser	Thr	Thr	Ala	Lys	Glu	Phe
				85				90						95	
Glu	Ala	Ala	Ala	Leu	Gly	Tyr	Ser	Ala	Ser	Gly	Val	Asn	Gly	Val	Ser
		100						105				110			
Ser	Ser	Gln	Glu	Leu	Val	Ile	Ser	Ala	Ala	Pro	Lys	Thr	Ala	Gly	Thr
		115				120						125			
Ala	Pro	Thr	Ala	Gly	Asn	Tyr	Ser	Gly	Val	Val	Ser	Leu	Val	Met	Thr
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<210> 44
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Val Glu Lys Asn Ile Thr Val Thr Ala Ser Val Asp Pro Val Ile Asp
  1                               5                10                15

Leu Leu Gln Ala Asp Gly Asn Ala Leu Pro Ser Ala Val Lys Leu Ala
      20                25                30

Tyr Ser Pro Ala Ser Lys Thr Phe Glu Ser Tyr Arg Val Met Thr Gln
      35                40                45

Val His Thr Asn Asp Ala Thr Lys Lys Val Ile Val Lys Leu Ala Asp
  50                55                60

Thr Pro Gln Leu Thr Asp Val Leu Asn Ser Thr Val Gln Met Pro Ile
  65                70                75                80

Ser Val Ser Trp Gly Gly Gln Val Leu Ser Thr Thr Ala Lys Glu Phe
      85                90                95

Glu Ala Ala Ala Leu Gly Tyr Ser Ala Ser Gly Val Asn Gly Val Ser
      100                105                110

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Ser Ser Gln Glu Leu Val Ile Ser Ala Ala Pro Lys Thr Ala Gly Thr  
115 120 125

Ala Pro Thr Ala Gly Asn Tyr Ser Gly Val Val Ser Leu Val Met Thr  
130 135 140

Leu Gly Ser  
145